

CRF Errors Corrected by the STIC Systems Branch

Per 109
6/17/2002
Edited by: _____
Verified by: _____ (STIC staff)

Serial Number: 09/673,274

ENTERED

- Changed a file from non-ASCII to ASCII
- Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- Edited a format error in the Current Application Data section, specifically: _____
- Edited the Current Application Data section with the actual current number. The number inputted by the applicant was the prior application data; or other _____
- Added the mandatory heading and subheadings for "Current Application Data".
- Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- Inserted colons after headings/subheadings. Headings edited included: _____
- Deleted extra, invalid, headings used by an applicant, specifically: _____
- Deleted: non-ASCII "garbage" at the beginning/end of files; secretary initials/filename at end of file; page numbers throughout text; other invalid text, such as _____
- Inserted mandatory headings, specifically: _____
- Corrected an obvious error in the response, specifically: _____
- Edited identifiers where upper case is used but lower case is required, or vice versa.
- Corrected an error in the Number of Sequences field, specifically: _____
- A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- Other: _____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/673,274

DATE: 06/17/2002
 TIME: 19:40:18

Input Set : A:\PTO.AMC.txt
 Output Set: N:\CRF3\06172002\I673274.raw

```

66 ttttcttgt gatctctcac tcttgccgtg ccgataagct tatcggttcc tgcgtgtggg 120
67 gtgctgtgaa ctacacttcc gattgcaacg gtgagtgcaa gaggaggggt tacaaggggt 180
68 gtcactgcyg ttccttcgct aacgtgaact gctgggtgca gacttgagag ctcggcgagg 240
69 cgaacgtgtc gacggatccg g 261
71 <210> SEQ ID NO: 4
72 <211> LENGTH: 120
73 <212> TYPE: DNA
74 <213> ORGANISM: Artificial Sequence
76 <220> FEATURE:
77 <223> OTHER INFORMATION: SYNTHETIC POLYNUCLEOTIDE
80 <400> SEQUENCE: 4
81 gcgtcgacgc gatgggttct gtgcttttct ctcagcttcc atctttcctt cttgtgtcta 60
82 ctcttttctt tttccttgtg atctctcaact cttgccgtgc tggagacgcg aattcacaca 120
85 <210> SEQ ID NO: 5
86 <211> LENGTH: 75
87 <212> TYPE: DNA
88 <213> ORGANISM: Artificial Sequence
90 <220> FEATURE:
91 <223> OTHER INFORMATION: SYNTHETIC POLYNUCLEOTIDE
94 <400> SEQUENCE: 5
95 gcgtcgacgc gatgggttct gtgcttttct ctcagcttcc atctttcctt cttgtgtcta 60
96 ctcttttctt tttcc 75
98 <210> SEQ ID NO: 6
99 <211> LENGTH: 72
100 <212> TYPE: DNA
101 <213> ORGANISM: Artificial Sequence
103 <220> FEATURE:
104 <223> OTHER INFORMATION: SYNTHETIC POLYNUCLEOTIDE
107 <400> SEQUENCE: 6
108 tcgccggcac ggcaagagta agagatcaca aggaaaagaa gaagagtaga cacaagaagg 60
109 aaagatggaa gc 72
111 <210> SEQ ID NO: 7
112 <211> LENGTH: 80
113 <212> TYPE: DNA
114 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: SYNTHETIC POLYNUCLEOTIDE
120 <400> SEQUENCE: 7
121 gataagctta tcggttctctg cgtgtgggggt gctgtgaact acacttccga ttgcaacggg 60
122 gagtgaaga ggaggggtta 80
124 <210> SEQ ID NO: 8
125 <211> LENGTH: 109
126 <212> TYPE: DNA
127 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
130 <223> OTHER INFORMATION: SYNTHETIC POLYNUCLEOTIDE
133 <400> SEQUENCE: 8
134 ccgatccgt cgacacgttc gcctcgccga gctctcaagt ctgcaccag cagttcacgt 60
135 tagcgaagga accgcagtga ccacccttgt aaccctcct cttgcactc 109

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Input Set : A:\PTO.AMC.txt
 Output Set: N:\CRF3\06172002\I673274.raw

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137 <210> SEQ ID NO: 9
138 <211> LENGTH: 85
139 <212> TYPE: DNA
140 <213> ORGANISM: Artificial Sequence
142 <220> FEATURE:
143 <223> OTHER INFORMATION: SYNTHETIC POLYNUCLEOTIDE
146 <400> SEQUENCE: 9
147 agggccccct agggtttaaa cggccagtca ggccgaattc gagctcggta cccggggatc 60
148 ctctagagtc gacctgcagg catgc 85
150 <210> SEQ ID NO: 10
151 <211> LENGTH: 66
152 <212> TYPE: DNA
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: SYNTHETIC POLYNUCLEOTIDE
159 <400> SEQUENCE: 10
160 ccctgaacca ggctcgaggg cgcgccttaa ttaaagctt gcatgcctgc aggtcgactc 60
161 tagagg 66
163 <210> SEQ ID NO: 11
164 <211> LENGTH: 93
165 <212> TYPE: DNA
166 <213> ORGANISM: Artificial Sequence
168 <220> FEATURE:
169 <223> OTHER INFORMATION: SYNTHETIC POLYNUCLEOTIDE
172 <400> SEQUENCE: 11
173 ccggccagtc aggccacact taattaagtt taaacgcggc cccgggcgcgc ctaggtgtgt 60
174 gctcgagggc ccaacctcag tacctggttc agg 93
176 <210> SEQ ID NO: 12
177 <211> LENGTH: 93
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: SYNTHETIC POLYNUCLEOTIDE
185 <400> SEQUENCE: 12
186 ccggcctgaa ccaggtactg aggttgggcc ctcgagcaca cacctaggcg cgccggggcc 60
187 gcgtttaaac ttaattaagt gtggcctgac tgg 93
189 <210> SEQ ID NO: 13
190 <211> LENGTH: 50
191 <212> TYPE: DNA
192 <213> ORGANISM: Artificial Sequence
194 <220> FEATURE:
195 <223> OTHER INFORMATION: SYNTHETIC POLYNUCLEOTIDE
198 <400> SEQUENCE: 13
199 ggtctagaat ggctgcacc aacaacgcca tgagggcct ctctctctc 50
201 <210> SEQ ID NO: 14
202 <211> LENGTH: 50
203 <212> TYPE: DNA
204 <213> ORGANISM: Artificial Sequence
206 <220> FEATURE:

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RAW SEQUENCE LISTING
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Input Set : A:\PTO.AMC.txt
 Output Set: N:\CRF3\06172002\I673274.raw

207 <223> OTHER INFORMATION: SYNTHETIC POLYNUCLEOTIDE
 210 <400> SEQUENCE: 14
 211 ccgaattcgg cgccgtgcac gatgcagaag agcacgagga ggaagagggc 50
 213 <210> SEQ ID NO: 15
 214 <211> LENGTH: 81
 215 <212> TYPE: DNA
 216 <213> ORGANISM: Artificial Sequence
 218 <220> FEATURE:
 219 <223> OTHER INFORMATION: SYNTHETIC POLYNUCLEOTIDE
 222 <400> SEQUENCE: 15
 223 tctagaatgg cctgcaccaa caacgccatg agggccctct tcctcctcct gctcttctgc 60
 224 atcgtgcacg gcgccgaatt c 81
 226 <210> SEQ ID NO: 16
 227 <211> LENGTH: 24
 228 <212> TYPE: DNA
 229 <213> ORGANISM: Artificial Sequence
 231 <220> FEATURE:
 232 <223> OTHER INFORMATION: SYNTHETIC POLYNUCLEOTIDE
 235 <400> SEQUENCE: 16
 236 gataagctta tcggttcctg cgtg 24
 238 <210> SEQ ID NO: 17
 239 <211> LENGTH: 32
 240 <212> TYPE: DNA
 241 <213> ORGANISM: Artificial Sequence
 243 <220> FEATURE:
 244 <223> OTHER INFORMATION: SYNTHETIC POLYNUCLEOTIDE
 247 <400> SEQUENCE: 17
 248 ggctcgagtc aagtctcgca ccagcagttc ac 32
 250 <210> SEQ ID NO: 18
 251 <211> LENGTH: 213
 252 <212> TYPE: DNA
 253 <213> ORGANISM: Artificial Sequence
 255 <220> FEATURE:
 256 <223> OTHER INFORMATION: SYNTHETIC POLYNUCLEOTIDE
 259 <400> SEQUENCE: 18
 260 tctagaatgg cctgcaccaa caacgccatg agggccctct tcctcctcct gctcttctgc 60
 261 atcgtgcacg gcgataagct tatcggttcc tgcgtgtggg gtgctgtgaa ctacacttcc 120
 262 gattgcaacg gtgagtgcaa gaggaggggt tacaagggty gtcactgcgg ttccttcgct 180
 263 aacgtgaact gctggtgca gacttgactc gag 213
 265 <210> SEQ ID NO: 19
 266 <211> LENGTH: 838
 267 <212> TYPE: DNA
 268 <213> ORGANISM: Artificial Sequence
 270 <220> FEATURE:
 271 <223> OTHER INFORMATION: SYNTHETIC POLYNUCLEOTIDE
 W--> 274 <221> NAME/KEY: promoter
 275 <222> LOCATION: (7)...(532)
 W--> 277 <221> misc_structure
 278 <222> LOCATION: (533)...(568)

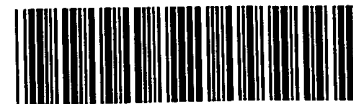
RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/673,274

DATE: 06/17/2002
 TIME: 19:40:18

Input Set : A:\PTO.AMC.txt
 Output Set: N:\CRF3\06172002\I673274.raw

```

W--> 280 <221> terminator
      281 <222> LOCATION: (569)...(832)
W--> 283 <400> 19
      284 aagcttccag aaggtaatta tccaagatgt agcatcaaga atccaatggt tacgggaaaa 60
      285 actatggaag tattatgtga gctcagcaag aagcagatca atatgcgga catatgcaac 120
      286 ctatgttcaa aaatgaagaa tgtacagata caagatccta tactgccaga atacgaagaa 180
      287 gaatacgtag aaattgaaaa agaagaacca ggcgaagaaa agaactctga agacgtaagc 240
      288 actgacgaca acaatgaaaa gaagaagata aggtcgggtga ttgtgaaaga gacatagagg 300
      289 acacatgtaa ggtggaaaaat gtaagggcgg aaagtaacct tatcacaaag gaatcctatc 360
      290 cccactact tatcctttta ttttttccg tgtcattttt gcccttgagt tttcctatat 420
      291 aaggaaccaa gttcggcatt tgtgaaaaca agaaaaaatt tgggtgaagc ttttttcttt 480
      292 gaagtactga ggatacaact tcagagaaat ttgtaagttt gtagatctcg attctagaag 540
      293 gcctgaattc gagctcggta ccgatccaa ttcccgatcg ttcaaacatt tggcaataaa 600
      294 gtttcttaag attgaatcct gttgccggtc ttgcgatgat tatcatataa tttctgttga 660
      295 attacgttaa gcatgtaata attaacatgt aatgcatgac gttatttatg agatggggtt 720
      296 ttatgattag agtcccgcaa ttatacattt aatagcggat agaaaaacaaa atatagcggc 780
      297 caaactagga taaattatcg cgcgcggtgt catctatggt actagatcgg ggaatcgat 838
      299 <210> SEQ ID NO: 20
      300 <211> LENGTH: 1036
      301 <212> TYPE: DNA
      302 <213> ORGANISM: Artificial Sequence
      304 <220> FEATURE:
      305 <223> OTHER INFORMATION: SYNTHETIC POLYNUCLEOTIDE
W--> 308 <221> NAME/KEY: promoter
      309 <222> LOCATION: (7)...(532)
W--> 311 <221> CDS
      312 <222> LOCATION: (539)...(736)
W--> 314 <221> terminator
      315 <222> LOCATION: (767)...(1030)
W--> 317 <400> 20
      318 aagcttccag aaggtaatta tccaagatgt agcatcaaga atccaatggt tacgggaaaa 60
      319 actatggaag tattatgtga gctcagcaag aagcagatca atatgcgga catatgcaac 120
      320 ctatgttcaa aaatgaagaa tgtacagata caagatccta tactgccaga atacgaagaa 180
      321 gaatacgtag aaattgaaaa agaagaacca ggcgaagaaa agaactctga agacgtaagc 240
      322 actgacgaca acaatgaaaa gaagaagata aggtcgggtga ttgtgaaaga gacatagagg 300
      323 acacatgtaa ggtggaaaaat gtaagggcgg aaagtaacct tatcacaaag gaatcctatc 360
      324 cccactact tatcctttta ttttttccg tgtcattttt gcccttgagt tttcctatat 420
      325 aaggaaccaa gttcggcatt tgtgaaaaca agaaaaaatt tgggtgaagc ttttttcttt 480
      326 gaagtactga ggatacaact tcagagaaat ttgtaagttt gtagatctcg attctaga 538
      327 atg gcc tgc acc aac aac gcc atg agg gcc ctc ttc ctc ctc gtg ctc 586
      328 Met Ala Cys Thr Asn Asn Ala Met Arg Ala Leu Phe Leu Leu Val Leu
      329 1 5 10 15
      331 ttc tgc atc gtg cac ggc gat aag ctt atc ggt tcc tgc gtg tgg ggt 634
      332 Phe Cys Ile Val His Gly Asp Lys Leu Ile Gly Ser Cys Val Trp Gly
      333 20 25 30
      335 gct gtg aac tac act tcc gat tgc aac ggt gag tgc aag agg agg ggt 682
      336 Ala Val Asn Tyr Thr Ser Asp Cys Asn Gly Glu Cys Lys Arg Arg Gly
      337 35 40 45
      339 tac aag ggt ggt cac tgc ggt tcc ttc gct aac gtg aac tgc tgg tgc 730
  
```



PCT09

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/673,274

DATE: 06/05/2002
 TIME: 17:08:44

Input Set : A:\A33595-PCT-USA sequence listing.txt
 Output Set: N:\CRF3\06052002\I673274.raw

**Does Not Comply
 Corrected Diskette Needed**

4 <110> APPLICANT: LAMBERTY, MIREILLE
 5 BULET, PHILLIPE
 6 BROOKHART, GARY
 7 HOFFMAN, JULES
 9 <120> TITLE OF INVENTION: GENE CODING FOR HELIOMICINE, AND USE
 10 THEREOF
 12 <130> FILE REFERENCE: A33595-PCT-USA
 14 <140> CURRENT APPLICATION NUMBER: 09/673,274
 C--> 15 <141> CURRENT FILING DATE: 2001-12-18
 17 <150> PRIOR APPLICATION NUMBER: PCT/FR99/00843
 18 <151> PRIOR FILING DATE: 1999-04-12
 20 <150> PRIOR APPLICATION NUMBER: FR 98 04933
 21 <151> PRIOR FILING DATE: 1998-04-15
 23 <160> NUMBER OF SEQ ID NOS: 38
 25 <170> SOFTWARE: FastSEQ for Windows Version 4.0

ERRORED SEQUENCES

557 <210> SEQ ID NO: 38
 558 <211> LENGTH: 26
 559 <212> TYPE: DNA
 560 <213> ORGANISM: Artificial Sequence
 562 <220> FEATURE:
 563 <223> OTHER INFORMATION: SYNTHETIC POLYNUCLEOTIDE
 566 <400> SEQUENCE: 38
 567 gcaacaagca ctcagcagcg cagtca
 E--> 574 ny02:356866.1 *delete*

26

VARIABLE LOCATION SUMMARY

DATE: 06/05/2002

PATENT APPLICATION: US/09/673,274

TIME: 17:08:45

Input Set : A:\A33595-PCT-USA sequence listing.txt

Output Set: N:\CRF3\06052002\I673274.raw

Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:38; N Pos. 27